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Application No.	Applicant(s)	
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Examiner	Art Unit	
Hau H Nguyen	2676	

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Notice of Allowability	Examiner	Art Unit	
	Hau H Nguyen	2676	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT OF of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED i) or other appropriate comn RIGHTS. This application is	in this application. If not include nunication will be mailed in due o	ed course. THIS
2. The allowed claim(s) is/are <u>1-19</u> .			•
3. \boxtimes The drawings filed on <u>26 June 2000</u> are accepted by the	Examiner.		
 4. Acknowledgment is made of a claim for foreign priority of a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have all the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the certified copies of the priority documents have a copies of the copies of the priority documents have a copies of the copies of	e been received. e been received in Applicat	ion No	ion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	" of this communication to fi MENT of this application.	e a reply complying with the req	uirements
5. A SUBSTITUTE OATH OR DECLARATION must be subinformal PATENT APPLICATION (PTO-152) which gives			OTICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mu (a) including changes required by the Notice of Draftspe 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examine Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR)	rson's Patent Drawing Revie r's Amendment / Comment of 1.84(c)) should be written on	or in the Office action of the drawings in the front (not the	back) of
7. DEPOSIT OF and/or INFORMATION about the depattached Examiner's comment regarding REQUIREMENT	osit of BIOLOGICAL MAT	ERIAL must be submitted. N	lote the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB.	6. ☐ Interview S Paper No	nformal Patent Application (PTC Summary (PTO-413), ./Mail Date s Amendment/Comment)-152)
Paper No./Mail Date 4.	_	s Statement of Reasons for Allo	wance

Application/Control Number: 09/604,301

Art Unit: 2676

Allowable Subject Matter

1. Claims 1-19 are allowed.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:

The prior art taken singly or in combination does not teach or suggest, a signal processing circuit, among other things, comprising:

each of the plurality of output portions of the output-side line memory has a plurality of memory units and is configured as a shift register;

each of the shift registers has an output memory unit and data stored in the shift register is shifted and serially output from the output memory unit; and

the output memory units define the prescribed positions different from each other.

The closest prior art, Koyama et al. (U.S. Patent No. 6,597,349) teach a driving circuit for a semiconductor display device, comprising a driving circuit dividing a horizontal line of image into portions and sequentially supplying digital video data into a latch circuit (LAT1) (input-side line memory), capable of transferring data in parallel to an output-side line memory (LAT2), and a selector to sequentially outputting data to a display in analog form.

However, the output-side line memory portion as taught by Koyama et al. is not configured as a shift register as claimed.

Conclusion

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hau H. Nguyen whose telephone number is: 703-305-4104. The examiner can normally be reached on MON-FRI from 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella can be reached on 703-308-6829.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D. C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered response should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

H. Nguyen

12/16/2004

MATTHEW C. BELLA SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600

Mouher C. Bella